NIKHIL SHARMA

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 1.5+ years of experience in developing and deploying scalable web applications using ReactJS, Javascript, Python, Flask, FastAPI, jQuery, SQL, Bootstrap, Ant Design, Red Hat OpenShift,etc. Proficient in building client-centric solutions with clean, maintainable code, and leveraging Python automation and data analytics to improve performance and efficiency.

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript, SQL
Front-end Tech: ReactJS, Redux, ReduxToolkit, jQuery, Bootstrap, Tailwind, MaterialUI, Ant Design, AG Grid
Back-end Tech: Flask, FastAPI, Streamlit, RESTful APIs, Firebase
Databases: MySQL, MS SQL Server, Oracle DB, MongoDB
Core Subjects: Data Structures and Algorithms, Object Oriented Programming Concepts, Operating System, Computer Networks
Tools: Github, Bitbucket, VSCode, Redhat Openshift, Amazon Web Services (AWS), GCP, JupyterNotebook, Tableau, ElasticSearch, etc

EXPERIENCE

Tata Consultancy Services, Hyderabad   **December 2023 – Present**
Systems Engineer (Digital Cadre) - Major Semiconductor Solutions Provider
- Developed and maintained both Frontend and Backend components of Web Applications in an aglie environment, delivering web solutions within timeline while ensuring a seamless user experience and improved system performance.
- Implemented RESTful API methods in Flask and FastAPI, optimizing backend logic and enhancing application efficiency.
- Developed API endpoints and integrated functionalities such as a dynamic drawer and multipage wizard form with database connectivity, along with robust frontend and backend validations using React Hook Forms, Formik, AG Grid and Ant Design.
- Streamlined CRUD operations using Formik and Tanstack Table, ensuring efficient data management and state handling.
- Debugged and resolved performance bottlenecks, enhancing the overall speed and responsiveness of the platform.
- Achieved a 25% reduction in loading time by implementing Flask caching, DB connection threading, and session storage.
- Managed deployment, Orchestration cycles and Version Control of Applications on RedHat OpenShift and Bitbucket.
- Also performed Data Analytics and Python Automation tasks using jupyter Notebook, various Python Packages , updating Tableau Dashboards for Forecasted Statistics, etc
- **Tech Used:** ReactJS, Javascript, jQuery, Flask, FastAPI, Streamlit, Oracle DB, MS SQL Server, Python, HTML, CSS, Bootstrap, Ant Design, Redhat Openshift, Tableau, jupyterNotebook, ElasticSearch, etc.

PROJECTS

MicroBlog - A Flask Powered Social Blogging App | Project Link | Github Link   **May 2025 - June 2025**
- Built a feature-rich social blogging app with login and signup support, multilingual posts, real-time messaging with notifications, and secure password reset via email using JWT and Flask-Mail Service.
- Implemented secure password reset using JWT, modular architecture with Blueprints, and translation with API integration.
- **Tech Used:** Python Flask, SQLAlchemy, Jinja2, WTForms, JWT, Flask-Mail, Bootstrap, AJAX, Flask-Babel, Moment.js, Brevo SMTP.

ShopSwap - An Ecommerce Marketplace | Project Link | Github Link   **December 2024 - January 2025**
- Added User Authentication and Registration, Listed Products with Dynamic sell and Buy Options.
- It utilizes WTF Forms for user input, Bootstrap for UI design, deployed on PythonAnywhere.
- **Tech Used:** Python Flask, Bootstrap, Flask WTF Forms, HTML, CSS, PythonAnywhere.

CERTIFICATIONS

- *React Frontend Developer Certification | One Month Live Class Training by Edureka* | Certificate Link | Dec 2024
- *AWS Certified Cloud Practitioner | Foundational Cloud Certification by AWS (CLF-C02)* | Certificate Link | Dec 2024

ACHIEVEMENTS

- Solved around 590+ DSA problems on Leetcode only and 1000+ Problems on overall Platforms like GFG, Codechef, etc.
- Secured 81th Rank in CodeChef Long Challenge Div.3 Oct 2021 Among 20K+ Participants.
- Earned 100+ Labs and 15+ Quests on Qwiklabs (GCP labs).

EDUCATION

University School of Information, Communication and Technology, GGSIPU   **August 2019 – June 2023**
Bachelor of Technology in Computer Science and Engineering – CGPA 8.8/10.0   *Dwarka Sec 16C, Delhi*

Rajikya Pratibha Vikas Vidyalaya   **April 2018 – March 2019**
Class XII CBSE Board – Percentage 86/100   *Shalimar Bagh, Delhi*